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AMENDMENTS TO THE CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application

- 1. (Canceled)
- 2. (Currently amended) The system of claim 1 A system for holding and releasing a workpiece for electrochemical machining, the system comprising: a workpiece holder having a workpiece surface configured to couple to the workpiece in response to a negative pressure being applied to a vacuum reservoir to provide a seal between the workpiece and the workpiece surface; the vacuum reservoir disposed within the workpiece holder having a proximal end capable of being removably coupled to the workpiece; and a piston configured to move upward in the vacuum reservoir towards the workpiece and to lift the workpiece off of the workpiece surface in response to a positive pressure being applied to the system, further comprising an electrode disposed above the workpiece by a machining gap, the electrode having a pattern and configured to provide a conductive electrolyte to the machining gap such that the pattern is imposed on the workpiece.
- 3. (Original) The system of claim 2, further comprising a radial locator capable of being removably coupled to the workpiece holder and configured to radially locate the workpiece on the workpiece surface.
- 4. (Original) The system of claim 2, wherein the workpiece surface is further configured to provide an anodic contact and to resist anodic corrosion.
 - 5. (Original) The system of claim 4, wherein the workpiece surface comprises titanium.
- 6. (Original) The system of claim 2, wherein the workpiece surface has a finish with a roughness average of 0.05 to 0.1 microns.
- 7. (Original) The system of claim 2, further comprising a base having a locating surface and configured to support the workpiece holder.
- 8. (Original) The system of claim 7, wherein the degree of parallelism between the workpiece surface and the locating surface is 1 micron.
- 9. (Original) The system of claim 2, wherein the piston includes a base portion and an ejector pin, the ejector pin configured to lift the workpiece off of the workpiece surface.
- 10. (Original) The system of claim 9, wherein the ejector pin includes a magnet capable of removably coupling the workpiece to the ejector pin.

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11. (Previously presented) The system of claim 2, wherein the piston includes air passages configured to provide a flow path between the proximal end of the vacuum reservoir and a vacuum port.

- 12. (Previously presented) The system of claim 11, wherein the piston includes an O-ring configured to provide a seal between the air passages and the proximal end of the vacuum reservoir in response to the positive pressure being applied to the system.
 - 13. (Canceled)
- 14. (Currently amended) The method of claim 13 A method for holding and releasing a workpiece for electrochemical machining, the method comprising: applying a negative pressure to a vacuum reservoir to produce an air flow through the vacuum reservoir; loading the workpiece onto a workpiece surface to couple the workpiece to a proximal end of the vacuum reservoir; forming a seal between the workpiece and the workpiece surface to produce a pressure drop across the workpiece; applying a positive pressure to the vacuum reservoir; and lifting the workpiece off of the workpiece surface by a piston configured to move upward in the vacuum reservoir, further comprising the step of providing a conductive electrolyte to a machining gap to impose a pattern on the workpiece.
- 15. (Previously presented) The method of claim 14, wherein a piston that is configured to move upward within the vacuum reservoir in response to the application of the positive pressure lifts the workpiece.
- 16. (Original) The method of claim 14, further comprising the step of coupling the workpiece to an ejector pin.
- 17. (Original) The method of claim 14, wherein the workpiece surface is configured to provide an anodic contact and to resist anodic corrosion.
 - 18-20. (Canceled)